

**Notice of Allowability**

Application No.

10/646,863

Examiner

Timothy M. Ayres

Applicant(s)

JUNG, TAE HWAN

Art Unit

3637

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 9/19/06.
2. ☒ The allowed claim(s) is/are 1-5, 7-12, 14-18, 20-33, 35-40, 42-45 and 47-53.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Darleen Stockley on 12/06/06.

The application has been amended as follows:

Claim 1, line 9, after the word "body" ---with an I-shaped cross section--- has been inserted therein

Claim 1, line 9, after the word "longitudinal" ---upper--- has been inserted therein

Claim 1, line 10, the phrase "and the grooves are formed along one upper side of a separate longitudinal" has been deleted

Claim 1, line 11, The phrase "movable bar comprising an I-bar-shaped member that" has been deleted and ---a lower portion of the movable body--- has been inserted therein

Claim 1, line 11, before the word "channeled" ---C-shaped--- has been inserted

Claim 1, line 12, the phrase "comprising a half-I-Bar shaped lengthwise slotted rail" has been deleted and ---and movable there along a longitudinal axis of the rail--- has been inserted therein

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Claim 18, line 4, after the word "move" ---along a longitudinal axis--- has been inserted therein

Claim 28, line 10, after the word "body" ---with an I-shaped cross section--- has been inserted therein

Claim 28, line 11, after the word "longitudinal" ---upper--- has been inserted therein

Claim 28, line 11, the phrase "and the grooves are formed along one upper side of a separate" has been deleted

Claim 28, line 12, the phrase "longitudinal movable bar comprising an I-bar-shaped member that" has been deleted and ---a lower portion of the movable body--- has been inserted therein

Claim 28, line 13, before the word "channeled" ---C-shaped--- has been inserted

Claim 28, line 13, the phrase "comprising a half-I-Bar shaped lengthwise slotted rail" has been deleted and ---and movable there along a longitudinal axis of the rail--- has been inserted therein

Claim 45, line 6, after the word "move" ---along a longitudinal axis--- has been inserted therein

2. The following is an examiner's statement of reasons for allowance: Claims 1, 18, 28, and 45 recite a movable body that moves along a longitudinal axis in a refrigerator

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to control movement of the door. The prior art reference to Sparkman teaches a door control device with similar grooves and control unit, but teaches a movable body that rotates and slides as the door pivots. There is not motivation or suggestion to modify Sparkman to move in such a manner. Claims 1 and 28, further recite the movable body with an I-shaped cross section with grooves along a longitudinal upper side surface and the movable body sliding in a c-shaped channeled guide rail, which is not taught or suggested in the prior art. Claims 18, and 45 further recite a dampening unit, which not taught in combination with a control unit on refrigerator that allows the door to maintained at a selected one of a plurality of predetermined positions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy M. Ayres whose telephone number is (571) 272-8299. The examiner can normally be reached on MON-THU 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on (571) 272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TMA  
12/06/06

*cha*

*Janet M. Wilkens*  
JANET M. WILKENS  
PRIMARY EXAMINER  
*Art Unit 3637*